

Scobol Solo 2019

Packet 13 (Round 13)



1. This country recognizes the Aymara ["eye"-MAR-ah] language spoken by its indigenous people. This country's highest mountain, Nevado Sajama [neh-VAH-doh sah-HAH-mah], is on its western border, and its second-largest, Illimani [ee-yee-MAH-nee], is part of the Cordillera Real [kor-dee-YAIR-ah ray-AHL]. Over 10% of this country's population is in the fast-growing city of Santa Cruz de la Sierra. This country is the largest landlocked country in the Southern Hemisphere. This country contains the eastern half of Lake Titicaca [tee-tee-KAH-kah], which it shares with Peru. Name this country bordering Paraguay, Argentina, and Chile whose constitutional capital is Sucre [soo-kray] and whose seat of government is La Paz.

Answer: (Plurinational State of) Bolivia [or (Estado Plurinacional de) Bolivia]

2. An eight-line poem by this writer ends "So tenderly I love you, so sincerely, I pray God grant another love you so." A longer poem by this writer starts in a magical land where a cat walks back and forth on a green oak tree. In that poem, this writer describes a bride who is stolen on her wedding night by Cher-no-mor. In another poem by this writer, Parasha's home is destroyed by a flood, driving Evgenii crazy. Evgenii then curses a statue, causing it to come to life. In that poem, this writer included long descriptions of St. Petersburg. Name this poet of "I Loved You", *Ruslan and Ludmila*, and *The Bronze Horseman*.

Answer: Alexander (Sergeyevich) Pushkin

3. This person was the defendant in the Test Fleet trial and was later convicted of jury tampering and attempted bribery based on his actions in that case. When Richard Nixon pardoned this person in 1971, there was a non-participation restriction preventing him from returning to his job. Since 1999, this person's son has held this person's former job and has continued the National Master Freight Agreement this person helped create. After this person went to a Red Fox restaurant in Michigan in 1975, he was never seen again. Name this president of the International Brotherhood of Teamsters.

Answer: (James Riddle) "Jimmy" Hoffa

4. The proximal end of this structure in a cell has a so-called "cartwheel" responsible for its assembly. This structure is not a chromatid ["CHROME"-uh-tid], but when it is newly created it is separated from an older copy by separ-ase [SEP-uh-"race"]. While flagella [fluh-JEL-uh] and cilia [SILL-ee-uh] typically have nine pairs of micro-tubules, these structures typically have nine triplets of micro-tubules. During mitosis [my-TOH-siss] there are four of these objects in a cell, and they pair up and move in opposite directions. Name these small cylindrical organelles that attach to the mitotic [my-TAH-tik] spindle and whose movement is followed by the chromosomes.

Answer: centrioles [prompt on centrosomes]

5. This composer temporarily moved to Sweden during the 1850s, where he had an affair with Fröjda Benecke [FROY-duh buh-NEH-kee] and wrote the symphonic poems *Richard III*, *Wallenstein's [VAHL-en-shteen'z] Camp*, and *Hakon Jarl [hah-kohn YARL]*. A set of six symphonic poems by this composer is always performed on May 12, the anniversary of his death. That set of works begins with a harp invoking the image of a famous castle, and the second work is about the longest contained river in this composer's home country. Name this Czech composer whose *Má vlast [mah vlahst]* includes *The Moldau [mohl-dow]* and who famously lost his hearing.

Answer: Bedřich Smetana [BED-ur-zhik SMET-uh-nuh] [accept Friedrich Smetana]

6. This person wrote that performance ambiguity arises when either one's performances are not personally observable or accomplishment is socially judged by ill-defined criteria. This person discussed the importance of a person's belief in their own competence in his 1997 book *Self-Efficacy*. This person stressed the importance of observation and imitation after his famous experiment supporting social learning theory. This person's most famous experiment found that children exposed to an aggressive adult were more aggressive than other children, especially if the adult was not punished. Name this Stanford University psychologist who conducted the Bobo doll experiment.

Answer: Albert Bandura

7. In a short story by this writer, a man remembers quickly returning to Boston from a conference to find out that his first child was stillborn. This writer titled that story for a notice telling the man and his wife that their electricity would be cut off for five days. Another story by this writer is about a middle school science teacher from New Brunswick, New Jersey traveling with his family to the Sun Temple. In that story, Mrs. Das uses the word "romantic" to describe the job of translating for Gujarati [goo-juh-RAH-tee] patients. Name this writer whose story "A Temporary Matter" is in her collection *Interpreter of Maladies*.

Answer: (Nilanjana) "Jhumpa" Lahiri

8. Positive deviations from this law can be calculated using the Hildebrand solubility parameter. This law works when it takes the same amount of energy for a solvent molecule to leave a solution as it would take to leave the pure solvent. Due to the non-ideal behavior of mixtures, Henry's law is more accurate than this law at low concentrations. This law is combined with Dalton's law to find the total pressure caused by vapor. Name this law that states that the partial pressure of a component equals its vapor pressure times its mole fraction.

Answer: Raoult's law

9. This leader’s policies, which made his country less dependent on the Soviet Union by attracting Arab capital and Western technology, were called “Intifah”. This leader was killed during a military parade during his country’s Armed Forces Day. “Blind Sheikh” Omar Abdel-Rahman’s *fatwa* against this person was blamed for his assassination. In 1978, this person became the first Muslim to receive a Nobel Peace Prize, which he shared with Menachem Begin [muh-NAH-kem BAYG-in] of Israel. Name this leader who signed the Camp David Accords and who succeeded Gamal Abdel Nasser as the president of Egypt.

Answer: (Muhammad) Anwar (el-)Sadat

10. In an operetta by this composer, a woman complains “Mother is dying; Father’s dead.” That song, which this composer wrote with words by Dorothy Parker, is “The Venice Gavotte [guh-VOT]”. In that operetta, this composer has a soprano sing the syllable “ah” repeatedly in a song with the lyrics “And here I am, my heart breaking; / forced to glitter, forced to be gay.” In a musical by this composer, a character sings “I know a boat you can get on” during an argument over Puerto Rico in the song “America”. Name this American composer of *Candide* who wrote about Tony—a former member of the Jets—and Tony’s love for Maria [pause] in *West Side Story*.

Answer: Leonard Bernstein [accept Louis Bernstein]

11. This goddess took the form of a horse to hide from Poseidon [poh-SY-dun], but the disguise failed and she ended up giving birth to Arion [ah-RY-un] and Despoina [des-POH-uh-nuh]. This goddess disguised herself as an old Cretan woman named Doso and was asked to nurse Demophon [DEM-uh-fahn]. That request came from Celeus [SILL-ee-uss], the King of Eleusis [el-YOO-siss]. When this goddess attempted to burn the mortality out of Demophon, she scared his mother Metanira [met-uh-NY-ruh]. When this goddess’s grief almost destroyed life on Earth, Zeus sent Hermes to the underworld. Unfortunately, this goddess’s daughter ate some pomegranate seeds. Name this Greek goddess of agriculture who was the mother of Persephone.

Answer: Demeter [duh-MEE-tur]

12. Some of these devices, such as the “ferro-resonant” type, use a tank circuit to keep the output constant even if the input varies. Nikola Tesla won the “war of the currents” partly due to an early example of this kind of device called the ZBD. The “identity” describing these devices states, among other things, that the ratio of two currents equals the reciprocal of the square root of the ratio of the corresponding self-inductances. These devices consist of a core that has high magnetic permeability, around which there are primary and secondary windings of wire. Name these devices that are used to “step up” or “step down” voltage.

Answer: transformers

13. Much of the fighting in this battle was for Le Mort Homme [leh mort ohm], or Dead Man's Hill. Before this battle, a ring of forts including Fort Douaumont [doo-aw-maw] was partly disarmed, leaving them easy to conquer. Erich von Falkenhayn [VAHL-ken-hyn] became known as "the Blood-Miller of" this battle, and Philippe Pétain [peh-tan] became known as "the Lion of" this battle. It was won after the Germans diverted forces to the Somme [sohm] Offensive. This battle had hundreds of thousands of casualties for both the French and the Germans. Name this battle that lasted almost all of 1916.

Answer: Battle of Verdun

14. A portrait of Mary Cassatt by Edgar Degas [day-gah] shows her leaning forward in a chair while engaged in this activity. A series of 1903 paintings portraying this activity includes *A Friend in Need*. A Caravaggio [kar-ah-VAHD-joh] painting depicting two boys engaged in this activity shows a man holding up two fingers behind one of the boys. A series of paintings from the 1890s shows this activity being done by peasants at small tables; those works are by Paul Cézanne [say-zahn]. The series of 1903 paintings, done to advertise cigars, portray dogs engaged in this activity and were painted by Cassius Coolidge. Name this type of game at which at least one of the dogs cheated.

Answer: playing cards or playing poker [prompt on gambling or playing games or gaming before "game"]

15. This character gives a young man a pound to buy a bus ticket, but the young man disappears, and it turns out that there is no ticket office. This character then gets help going to the Mission House in Sophiatown from Mr. Mafolo. This character's brother John is a politician, and this person eventually returns home with his sister Gertrude's son. This character's son is arrested for murdering Arthur Jarvis. This character eventually agrees with his wife when she says "When people go to Johannesburg, they do not come back." Name this reverend who is Absalom's father in Alan Paton's *Cry the Beloved Country*.

Answer: Reverend Stephen Kumalo [accept either underlined name]

16. When counting heads while flipping a fair coin, this quantity equals $1/4$ times the number of flips. If and only if two distributions are independent, the sum of this quantity from each distribution equals this quantity for the sum and difference of the distributions. In a binomial distribution, this number equals the number of trials times the probability of success times the probability of failure. This quantity equals the expected value of the square of a variable minus the square of the expected value of the variable. This quantity is symbolized "sigma squared". Name this quantity which equals the standard deviation squared.

Answer: variance

17. In 2018 this country declassified documents stating that Christopher John Lewis tried to kill the United Kingdom's Queen Elizabeth II in 1981. The prime minister of this country, who took a maternity leave in 2018, is Jacinda Ardern [juh-SIN-duh AR-dern]. During a 2019 debate, Marianne Williamson said her first call as president would be to this country. In March 2019, the Al Noor Mosque and Linwood Islamic Centre in this country were the sites of mass shootings that killed 51 people. Name this country where those shootings occurred in and near Christchurch.

Answer: New Zealand [or Aotearoa]

18. This king's reign was the subject of Francis Bacon's only major historical book. According to Montaigne [mawn-tayn], this king's will stated that Edmund de la Pole of Suffolk should be killed. This king made the Treaty of Perpetual Peace with Scotland, which stated that this king's daughter would marry James IV; another of this king's daughters married Louis XII [12] of France. This king cemented his own power by marrying Elizabeth of York, and two of his sons married Catherine of Aragon. Name this first Tudor king, who defeated Richard III in the Wars of the Roses.

Answer: Henry VII [7] of England [accept Henry Tudor before "Tudor" and prompt thereon thereafter; prompt on Henry]

19. At the beginning of one novel by this writer, the narrator sketches a "peculiarly English picture" of a house above the Thames [temz] after he praises tea time. This writer describes the protagonist of that novel rejecting proposals from Caspar Goodwood and Lord Warburton before entering in an unhappy marriage to Gilbert Osmond. In a novella by this writer, Douglas reads notes written by a governess. In that novella, this writer described Flora talking to the ghost of Miss Jessel, and Miles being controlled by the ghost of Peter Quint. Name this author who wrote about Isabel Archer in *The Portrait of a Lady* and also wrote *The Turn of the Screw*.

Answer: Henry James

20. The lamosite [LAM-oh-"site"] type of this rock occurs near the Green River in Colorado, Wyoming, and Utah and might be very valuable. The ability of this rock to split into bedding planes demonstrates its fissility [fiss-ILL-ih-tee], which differentiates this rock from mud-stone. This rock contains significant amounts of quartz and clay minerals. The kerogen ["CARE"-oh-jen] in this type of rock has become a major source of oil during the 21st century in the U.S. and China. Name this stratified sedimentary rock made of silt- and clay-sized particles.

Answer: shale [accept oil shale; prompt on sedimentary rock]

This is the end of regulation. Check the score. If it is tied, proceed to overtime tossups. If it is not tied, the game is over.

TB21. During this novel, there is some confusion over whether the title character will play the part of Pearl or the part of Laura in a production of Augustin Daly’s play *Under the Gaslight*. Mr. Quincel, a member of the Elks, runs the production, and this novel’s title character is recruited to play the part by a man she met on the train to Chicago. This novel’s title character stays with her sister, Minnie Hanson. Part of this novel is set at Fitzgerald and Moy’s, which George Hurstwood manages. A woman from Wisconsin whose last name is “Meeber” is the title character of what novel by Theodore Dreiser [DRY-zur]?

Answer: Sister Carrie

If the score is still tied, continue. If it is not tied, the game is over.

TB22. This philosopher imagined an evil genius who “has employed his whole energies in deceiving me”. This person claimed that if such a genius exists, it is possible this person has “no hands, no eyes, no flesh, no blood, nor any senses.” This person also wrote that the same wax remains even when that wax is altered by bringing it close to a fire. Those descriptions are in this writer’s work which begins by describing ideas that can be “brought within the sphere of the doubtful”, his *Meditations on First Philosophy*. Name this philosopher who wrote “We cannot doubt of our existence while we doubt” to justify his famous statement “I think therefore I am.”

Answer: René Descartes [day-kart] [or Renatus Cartesius]

If the score is still tied, continue. If it is not tied, the game is over.

TB23. The earliest example of this type of building was the Home Insurance Building in Chicago. Another early example of this type of building, the Flatiron in New York City, has a triangular shape. Modern examples of these buildings include the Burj Khalifa and Taipei 101. Chicago has many of these buildings, including 875 North Michigan Avenue, which used to be called the John Hancock Center, and the Willis Tower, which used to be called the Sears Tower. Name these very tall buildings.

Answer: skyscrapers

There are no more overtime questions available. If the score is still tied, contact the control room for further instructions. If it is not tied, the game is over.